

CLAIMS

What is claimed is:

1. A mobile electronic apparatus comprising:

a memory comprising user stored files therein, each user stored file having more than one different prioritization parameter associated therewith; and

a system for prioritizing the user stored files in the memory relative to one another, the system comprising means for prioritizing the user stored files relative to each other based upon at least two of the different prioritization parameters.
2. A mobile electronic apparatus as in claim 1 wherein the prioritization parameters comprise age of the file and file size.
3. A mobile electronic apparatus as in claim 1 wherein the prioritization parameters include a value judgment parameter entered by a user.
4. A mobile electronic apparatus as in claim 1 wherein the prioritization parameters include a cost parameter.
5. A mobile electronic apparatus as in claim 1 wherein the prioritization parameters include a move penalty parameter.
6. A mobile electronic apparatus as in claim 1 wherein the prioritization parameters include a user input override parameter.
7. A mobile electronic apparatus as in claim 1 wherein the prioritization parameters comprise an age of file

parameter, a file size parameter, a cost parameter, a value judgment parameter, a move penalty parameter, and a user input override parameter.

8. A mobile electronic apparatus as in claim 1 further comprising means for suggesting deletion or moving of one of the files based upon a low prioritization of the file as determined by the system for prioritizing.

9. A mobile electronic apparatus as in claim 1 further comprising means for automatically moving one of the files based upon a low prioritization of the file as determined by the system for prioritizing.

10. A mobile electronic apparatus as in claim 9 further comprising a wireless communication transceiver and an antenna connected to the transceiver, and the means for automatically moving comprises means for transmitting the file from the mobile electronic apparatus through the transceiver and the antenna to a wireless communication network base station.

11. A mobile electronic apparatus as in claim 1 wherein the mobile electronic apparatus comprises a mobile wireless communication terminal.

12. A mobile electronic apparatus as in claim 11 wherein the mobile wireless communication terminal comprises a digital convergence product.

13. A mobile electronic apparatus as in claim 12 wherein the digital convergence product comprises a digital camera.

14. A mobile electronic apparatus as in claim 12 wherein the prioritization parameters include an image file quality parameter.

15. A mobile electronic apparatus as in claim 1 wherein the prioritization parameters include a file compressibility parameter.

16. A mobile electronic apparatus as in claim 1 wherein the prioritization parameters include a size of free space in the memory parameter.

17. A mobile electronic apparatus as in claim 1 wherein the prioritization parameters include a parameter that lets a user determine what type of a backup of the user stored file is needed.

18. A mobile electronic apparatus as in claim 1 wherein the prioritization parameters comprise a time decay parameter as a floating average.

19. A mobile electronic apparatus as in claim 1 wherein the system for prioritizing comprises a learning algorithm that learns behavior of a user's low prioritization file handling over time, and changes prioritization weights given to predetermined ones of the parameters based upon the learned behavior.

20. A mobile electronic apparatus as in claim 1 further comprising a user interface, wherein the user interface comprises a touch-based user interface.

21. A mobile electronic apparatus as in claim 20 wherein the touch-based user interface comprises a mechanical input apparatus and, a bar and a slider shown on a

display of the apparatus for inputting a user value judgment parameter for one of the files.

22. A mobile electronic apparatus as in claim 20 wherein the touch-based user interface comprises at least one depressible button for inputting a user value judgment parameter for one of the files.

23. A method of prioritizing a plurality of user stored files relative to each other in a mobile electronic apparatus comprising steps of:

storing the user stored files in a memory of the mobile electronic apparatus;

associating more than one different prioritization parameter with each user stored file; and

prioritizing the user stored files relative to each other based upon at least two of the prioritization parameters associated with each of the files.

24. A method as in claim 23 further comprising suggesting to a user deletion or moving of one of the files based upon a low prioritization of the file as determined during the step of prioritizing.

25. A method as in claim 23 further comprising automatically moving or compress and one of the files based upon a low prioritization of the file as determined during the step of prioritizing.

26. A method as in claim 25 wherein the step of automatically moving comprises transferring the file from the mobile electronic apparatus by a wireless communication link.

27. A method as in claim 26 wherein the mobile electronic apparatus comprises a radio frequency transmitter and the wireless communication link comprises a radio frequency link.

28. A method as in claim 23 wherein the different prioritization parameters are selected from a group consisting of the an age of the file parameter, a size of the file parameter, a user input value judgment parameter, a cost parameter, a move penalty parameter, a user input override parameter, an image file quality parameter, a file compressibility parameter, a size of free space in the memory parameter, a number of times a file has been accessed parameter, and a time decay parameter as a floating average.

29. A method as in claim 23 wherein the mobile electronic apparatus comprises a digital camera and the step of storing the user stored files comprises storing a digital image taken by the digital camera.

30. A method as in claim 23 wherein the step of associating more than one different prioritization parameter with each user stored file comprises inputting, by a user, a user value judgment parameter into the mobile electronic apparatus for each of the user stored files.

31. A method as in claim 30 further comprising a user actuating a user interface device for inputting the user value judgment parameter and, inputting a default user value judgment parameter into the mobile electronic apparatus when the user does not actuate the user interface device.

32. A method as in claim 23 wherein the step of prioritizing the user stored files relative to each other comprises a learning algorithm that learns behavior of a user's low prioritization file handling over time, and changes prioritization weights given to predetermined ones of the parameters based upon the learned behavior.

33. A method of prioritizing a plurality of files relative to each other in a memory of an electronic apparatus comprising steps of:

associating more than one different prioritization parameter for each of the files in the memory, a first one of the prioritization parameters comprising a value judgment parameter consisting of either a user input value judgment parameter or a default value judgment parameter; and

prioritizing the files relative to one another based upon the value judgment parameter respectively associated with the files and at least one other of the prioritization parameters respectively associated with the files.

34. A mobile electronic apparatus comprising:

a memory comprising a plurality of user stored files therein, each of the user stored files having at least one first prioritization parameter associated therewith and a second override parameter associated therewith; and

a system for prioritizing the user stored files in the memory relative to one another, the system comprising means for prioritizing the user stored

files relative to each other based upon both the second override parameter and at least one of the first prioritization parameters for each file.

35. A mobile electronic apparatus comprising:

a memory comprising a plurality of user stored files therein, each of the user stored files having at least one first prioritization parameter associated therewith and a second backup parameter associated therewith; and

a system for prioritizing the user stored files in the memory relative to one another, the system comprising means for prioritizing the user stored files relative to each other based upon both the second backup parameter and at least one of the first prioritization parameters for each file.

36. A mobile electronic apparatus comprising:

a memory comprising a plurality of user stored files therein, each of the user stored files having at least one first prioritization parameter associated therewith and a second emotional value parameter associated therewith; and

a system for prioritizing the user stored files in the memory relative to one another, the system comprising means for prioritizing the user stored files relative to each other based upon both the second emotional value parameter and at least one of the first prioritization parameters for each file.